

Vasundhara Mahajan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57
papers

237
citations

8
h-index

11
g-index

72
ext. papers

384
ext. citations

2
avg, IF

4.72
L-index

#	Paper	IF	Citations
57	Gender Inequality: Academic, Economic, Social and Pandemic Viewpoint 2022 , 451-458		
56	Reduction in Bill Using Time of Usage Pricing in a Smart Grid. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 357-364	0.2	
55	Monte Carlo Simulation Application in Composite Power System Reliability Analysis. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 379-385	0.2	2
54	Analysis and Evaluation of Cyber-attack Impact on Critical Power System Infrastructure. <i>Smart Science</i> , 2021 , 9, 1-13	1.5	6
53	Parameter tuning of PSS and STATCOM controllers using genetic algorithm for improvement of small-signal and transient stability of power systems with wind power. <i>International Transactions on Electrical Energy Systems</i> , 2021 , 31, e12912	2.2	1
52	Monitoring Cyber-Physical Layer of Smart Grid Using Graph Theory Approach. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 519-525	0.2	0
51	Analyzing the intensity of COVID-19 outbreak across Indian landscape through recovery deceased ratio and positive test ratio based ARIMA model. <i>Journal of Statistics and Management Systems</i> , 2021 , 24, 263-280	0.9	1
50	Reliability assessment and congestion management of power system with energy storage system and uncertain renewable resources. <i>Energy</i> , 2021 , 215, 119134	7.9	22
49	Cyber Intrusion Detection in Smart Grid Using KPCA and Novel Trust Method. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 73-79	0.2	
48	Impact of Seasonal Variations on Generation Cost and Social Benefit of ISO in Presence of Renewable Energy Sources. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 303-312	0.2	
47	Customer-Operated Solar Photovoltaic System to Improve the System and Customer Reliability. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2021 , 175-185	0.3	1
46	Power quality problems with renewable energy integration 2021 , 105-131		1
45	Reliability of Smart Grid Including Cyber Impact. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2021 , 163-174	0.3	1
44	Reliability modeling of renewable energy sources with energy storage devices 2021 , 317-368		0
43	Congestion management of integrated transmission and distribution network with RES and ESS under stressed condition. <i>International Transactions on Electrical Energy Systems</i> , 2021 , 31, e12757	2.2	2
42	Impact of Solar and Wind Energy on Reliability of Power System Network. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 535-542	0.2	0
41	A novel approach for optimal placement and sizing of active power filters in radial distribution system with nonlinear distributed generation using adaptive grey wolf optimizer 2021 , 24, 911-924		2

40	End-User Privacy Protection Scheme from cyber intrusion in smart grid advanced metering infrastructure. <i>International Journal of Critical Infrastructure Protection</i> , 2021 , 34, 100410	4.1	11
39	Monitoring of Cyber Intrusion in Wireless Smart Grid Network Using Weight Reduction Technique 2020 ,		2
38	Transmission Switching Based Available Transfer Capability Assessment to Make System Network Reliable 2020 ,		2
37	Optimization of controllers parameters for damping local area oscillation to enhance the stability of an interconnected system with wind farm. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 119, 105877	5.1	10
36	Artificial Neural Network for Reliability Evaluation of Power System Network with Renewable Energy 2020 ,		1
35	Intrusion Detection in Wireless Network of Smart Grid Using Intelligent Trust-Weight Method. <i>Smart Science</i> , 2020 , 8, 152-162	1.5	7
34	Detection of cyber cascade failure in smart grid substation using advance grey wolf optimization. <i>Journal of Interdisciplinary Mathematics</i> , 2020 , 23, 69-79	1.2	10
33	Mathematical modelling and stability analysis of PSS for damping LFOs of wind power system. <i>IET Renewable Power Generation</i> , 2019 , 13, 103-115	2.9	7
32	Optimization of damping controller for PSS and SSSC to improve stability of interconnected system with DFIG based wind farm. <i>International Journal of Electrical Power and Energy Systems</i> , 2019 , 108, 314-335	5.1	17
31	Demand response based congestion management of power system with uncertain renewable resources. <i>International Journal of Ambient Energy</i> , 2019 , 1-14	2	6
30	Congestion management of power system with uncertain renewable resources and plug-in electrical vehicle. <i>IET Generation, Transmission and Distribution</i> , 2019 , 13, 927-938	2.5	7
29	Mathematical Model of Cyber Intrusion in Smart Grid 2019 ,		4
28	Optimal placement and sizing of multiple active power filters in radial distribution system using grey wolf optimizer in presence of nonlinear distributed generation. <i>Electric Power Systems Research</i> , 2019 , 173, 281-290	3.5	18
27	Transmission Line Switching For Loss Reduction And Reliability Improvement 2019 ,		2
26	Reliability Evaluation Of Power System Network With Solar Energy 2019 ,		2
25	Identificaiton and Prevention of Cyber Attack in Smart Grid Communication Network 2019 ,		1
24	Fuzzy Logic for Reducing Data Loss during Cyber Intrusion in Smart Grid Wireless Network 2019 ,		2
23	Reliability and Active Power Loss Assessment Of Power System Network With Wind Energy 2019 ,		2

22	Transmission System Reliability Evaluation by Incorporating STATCOM in the System Network 2019		3
21	Reliability Improvement of Power System Network With Optimal Transmission Switching 2019 ,		4
20	Reliability Test of Restructured Power System with Capacity Expansion and Transmission Switching 2019 ,		2
19	Smart Grid: Cyber Attack Identification And Recovery Approach 2019 ,		3
18	Congestion Management of Power System with Integration of Renewable Resources and Energy Storage System 2018 ,		2
17	Reconfiguration of Distribution Network For Power Loss Minimization & Reliability Improvement using Binary Particle Swarm Optimization 2018 ,		2
16	Fuzzy Logic Based Control Scheme for Doubly Fed Induction Generator Based Wind Turbine. <i>International Journal of Emerging Electric Power Systems</i> , 2018 , 19,	1.4	3
15	Grey Wolf Optimization based Energy Management by Generator Rescheduling with Renewable Energy Resources 2017 ,		2
14	Computation of Locational Marginal Price in power market in different load and system conditions 2017 ,		2
13	Small signal stability assessment of a DFIG based wind power systems 2017 ,		1
12	The controlling of the DFIG based on variable speed wind turbine modeling and simulation 2016 ,		2
11	Implementation of High-Voltage Multilevel Harmonic Filter Based on Rotated Carrier Modulation and Artificial Intelligence-Based Controllers. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 7127-7143		5
10	An artificial intelligence based controller for multilevel harmonic filter. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 58, 170-180	5.1	13
9	dSPACE implementation of cascaded H-bridge inverter for harmonics minimization using artificial-intelligence. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2014 , 33, 2053-2081	0.7	1
8	Simulation of shunt active power filter using instantaneous power theory 2012 ,		5
7	MRAS based estimation of speed in sensorless PMSM drive 2012 ,		12
6	Simulation of instantaneous power theory for active power filter 2012 ,		1
5	Fuzzy logic based speed and current control of vector controlled PMSM drive 2012 ,		8

4	Power System Stability Improvement with Flexible A.C. Transmission System (FACTS) Controller 2008,		2
3	Modelling of TCSC Controller for Transient Stability Enhancement. <i>International Journal of Emerging Electric Power Systems</i> , 2006 , 7,	1.4	6
2	Thyristor Controlled Series Compensator 2006,		1
1	Modified Reliability Assessment Method for Analysis of Cyber-Physical System Consisting IEEE 24 Bus System Parallel with Cyber Network. <i>Smart Science</i> ,1-15	1.5	